Listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) A device for generating ultraviolet radiation by means of an excimer discharge, which device is equipped with an at least partly UV-transparent discharge vessel whose discharge space is filled with a gas filling, with means for triggering and maintaining an excimer discharge in the discharge space, and with a coating that contains a phosphor comprising a host lattice and neodymium(III) as an activator.

2. (original) A device for generating ultraviolet radiation as claimed in claim 1, characterized in that the phosphor contains praseodymium(III) as a co-activator.

3. (currently amended) A device for generating ultraviolet radiation as claimed in claim 1, characterized in that the phosphor is selected from the group consisting of $(La_{1-x}Y_x)PO_4$:Nd where $0 \leq x \leq 1$~~,~~; $(La_{1-x}Y_x)PO_4$:Nd,Pr where $0 \leq x \leq 1$~~,~~; $SrAl_{12}O_{19}$:Nd~~,~~; LaB_3O_6:Nd~~,~~; $LaMgB_5O_{10}$:Nd~~,~~; $SrAl_{12}O_{19}$:Nd,Pr~~,~~; ~~$LaBO_3O_6$~~LaB_3O_6:Nd,Pr~~,~~; $LaMgB_5O_{10}$:Nd,Pr and $GdPO_4$:Nd~~.~~

4. (currently amended) A device for generating ultraviolet radiation as claimed in claim 1, characterized in that the ~~phosphor comprises a~~ coating ~~that~~ also contains an oxide selected from the group consisting of MgO, SiO_2 and Al_2O_3.

5. (currently amended) A device for generating ultraviolet radiation as claimed in claim 1, characterized in that the gas

filling contains a gas selected from the group consisting of xenon, krypton, argon, neon and helium.

6. (original) A device for generating ultraviolet radiation as claimed in claim 1, characterized in that the gas filling contains xenon.

7. (original) A device for generating ultraviolet radiation as claimed in claim 1, characterized in that the electrodes are composed of a metal or alloy that reflects UV-C light.

8. (original) A device for generating ultraviolet radiation as claimed in claim 1, characterized in that part of the discharge vessel is provided with a coating that acts as a reflector of VUV and/or UV-C light.

9. (currently amended) A method for carrying out a photolytic process using ultraviolet radiation, the method characterized in that the ultraviolet radiation is generated by u~~U~~se of the device claimed in claim 1 ~~for photolytic processes~~.